

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	09/517,466
				Filing Date	Mar 2, 2000
				First Named Inventor	James L. HARTLEY
				Art Unit	1634
				Examiner Name	JOHANNSEN, Diana B.
Sheet	1	of	6	Attorney Docket No: IVGN 223	

US PATENT DOCUMENTS					
Examiner Initial *	Cite No	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	08/486,139		Hartley, James L.	
	A2	09/177,387		Hartley, James L.	
	A3	09/296,281		Hartley, James L.	
	A4	09/517,466	Mar 2, 2000	Hartley, James et al.	
	A5	09/518,188		Hartley, James	
	A6	09/648,790		Hartley, James	
	A7	09/695,065		Brasch, Michael	
	A8	2002/0006664	Jan 17, 2002	Sabatini, D. M.	
	A9	2002/0094574	Jul 18, 2002	Hartley, James et al.	
	A10	2002/0172997	Nov 21, 2002	Hartley, J. L., et al.	
	A11	2002/0192819	Dec 19, 2002	Hartley, James et al.	
	A12	2003/0032203	Feb 13, 2003	Sabatini, David et al.	
	A13	2003/0054552	Mar 20, 2003	Hartley, J. L., et al.	
	A14	2003/0064515	Apr 3, 2003	Hartley, James et al.	
	A15	2003/0068799	Apr 10, 2003	Hartley, James et al.	
	A16	2003/0077804	Apr 24, 2003	Byrd, Devon R., et al.	
	A17	2003/0124555	Jul 3, 2003	Brasch, Michael A., et al.	
	A18	2003/0157662	Aug 21, 2003	Gerard, G. F., et al.	
	A19	2003/0157716	Aug 21, 2003	Hartley, James L., et al.	
	A20	2003/0175970	Sep 18, 2003	Hartley, James L., et al.	
	A21	2003/0203486	Oct 30, 2003	Sabatini, David M.	
	A22	2004/0253631	Dec 16, 2004	Hartley, J. L., et al.	
	A23	2006/0008817	Jan 12, 2006	Carrino, J. et al.	
	A24	2007/0128725	Jun 7, 2007	Brasch, M. A., et al.	
	A25	2007/0184451	Aug 9, 2007	Byrd, D. R., et al.	
	A26	5258294	Nov 2, 1993	Boyle, B. D., et al.	
	A27	6140086	Oct 31, 2000	Fox, Donna K., et al.	
	A28	7176029	Feb 13, 2007	Bernard, Philippe et al.	
	A29	7223576	May 29, 2007	Hartley, James L., et al.	
	A30	7282326	Oct 16, 2007	Hartley, James L., et al.	
	A31	7304130	Dec 4, 2007	Hartley, James L., et al.	
	A32	7351578	Apr 1, 2008	Cheo, David et al.	
	A33	7393632	Jul 1, 2008	Cheo, David et al.	
	A34	7408049	Aug 5, 2008	Hartley, James L., et al.	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/517,466
				Filing Date	Mar 2, 2000
				First Named Inventor	James L. HARTLEY
				Art Unit	1634
				Examiner Name	JOHANNSEN, Diana B.
Sheet	2	of	6	Attorney Docket No: IVGN 223	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
	B1	CA-2226463	Dec 19, 2006	Brasch, M. A., et al.		
	B2	EP-0937098	Aug 14, 2002	Hartley, James L., et al.		
	B3	EP-220009	Feb 10, 1993	Sauer, Brian L.		
	B4	WO-1991/09957	Jul 11, 1991	Odell, Joan et al.		
	B5	WO-1992/015694	Sep 17, 1992	Wahl, Geoffrey M., et al.		
	B6	WO-1994/018333	Aug 18, 1994	Boyd, Alan C.		
	B7	WO-1994/03624	Feb 17, 1994	Auerbach, Jeffrey I.		
	B8	WO-1996/023904	Aug 8, 1996	Auerbach, Jeffrey I.		
	B9	WO-1996/40724	Dec 19, 1996	Hartley, James L., et al.		
	B10	WO-1999/021977	May 6, 1999	Hartley, James L., et al.		
	B11	WO-2000/029000	May 25, 2000	Gerard, Gary F., et al.		
	B12	WO-2000/052027	Sep 8, 2000	Hartley, James L., et al.		
	B13	WO-2000/052141	Sep 8, 2000	Hartley, James L., et al.		
	B14	WO-2000/060091	Oct 12, 2000	Sauer, Brian L., et al.		
	B15	WO-2001/020015	Mar 22, 2001	Sabatini, David M.		
	B16	WO-2001/031039	May 3, 2001	Brasch, Michael A., et al.		
	B17	WO-2001/042509	Jun 14, 2001	Cheo, David et al.		
	B18	WO-2002/061034	Aug 8, 2002	Carrino, John et al.		
	B19	WO-2002/062957	Aug 15, 2002	Byrd, Devon et al.		
	B20	WO-2002/077264	Oct 3, 2002	Sabatini, David M.		
	B21	WO-2002/086144	Oct 31, 2002	Byrd, Devon R., et al.		
	B22	WO-2002/095055	Nov 28, 2002	Brasch, Michael A., et al.		
	B23	WO-2003/025161	Mar 27, 2003	Farmer, Andrew et al.		
	B24	WO-2004/013290	Feb 12, 2004	Byrd, Devon R., et al.		

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/517,466
				Filing Date	Mar 2, 2000
				First Named Inventor	James L. HARTLEY
				Art Unit	1634
				Examiner Name	JOHANNSEN, Diana B.
Sheet	3	of	6	Attorney Docket No: IVGN 223	

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	00914799.2, European Search Report mailed on 04/02/2004.	
	C2	02001134.2, European Search Report mailed on 06/27/2002.	
	C3	02001135.9, European Search Report mailed on 07/01/2002.	
	C4	02001135.9, European Search Report mailed on 10/08/2002.	
	C5	09/177,387, Office Action mailed on 05/22/2000.	
	C6	09/177,387, Office Action mailed on 01/25/2001.	
	C7	09/177,387, Office Action mailed on 07/26/2004.	
	C8	09/177,387, Office Action mailed on 06/24/1999.	
	C9	09/177,387, Office Action mailed on 10/11/2001.	
	C10	09/177,387, Response to 01/25/01 Office Action, Filed on 07/25/2001.	
	C11	09/177,387, Response to 03/15/99 Office Action, Filed on 04/15/1999.	
	C12	09/177,387, Response to 03/15/99 Office Action, Filed on 03/15/1999.	
	C13	09/177,387, Response to 05/22/00 Office Action, Filed on 08/22/2000.	
	C14	09/177,387, Response to 09/24/99 Office Action, Filed on 12/23/1999.	
	C15	09/432,085, Notice of Allowance mailed on 06/28/2007.	
	C16	09/432,085, Office Action mailed on 02/07/2007.	
	C17	09/432,085, Response to 02/07/07 Office Action, Filed on 03/05/2007.	
	C18	09/432,085, Response to 02/22/06 Office Action, Filed on 07/24/2006.	
	C19	09/432,085, Supplemental Notice of Allowance 08/07/2007.	
	C20	09/438,358, Application as Filed on 11/12/1999.	
	C21	09/695,065, Office Action mailed 02/23/05.	
	C22	09/695,065, Office Action mailed 03/10/06.	
	C23	09/695,065, Office Action mailed 03/24/04.	
	C24	09/695,065, Office Action mailed 07/17/01.	
	C25	09/695,065, Office Action mailed 08/12/03.	
	C26	09/695,065, Office Action mailed 04/11/02.	
	C27	09/695,065, Response to 02/23/05 Office Action, Filed on 03/29/05.	
	C28	09/695,065, Response to 03/24/04 Office Action, Filed on 06/23/04.	
	C29	09/695,065, Response to 04/11/02 Office Action, Filed on 04/11/03.	
	C30	09/695,065, Response to 05/24/01 Office Action, Filed on 06/21/01.	
	C31	09/695,065, Response to 07/17/01 Office Action, Filed on 01/17/02.	
	C32	09/695,065, Response to 08/12/03 Office Action, Filed on 10/10/03.	
	C33	09/695,065, Response to 10/27/04 Office Action, Filed on 01/27/05.	
	C34	09/855,797, Office Action mailed 10/28/08.	
	C35	09/855,797, Office Action mailed 06/28/06.	
	C36	09/855,797, Office Action mailed 01/28/08.	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/517,466
				Filing Date	Mar 2, 2000
				First Named Inventor	James L. HARTLEY
				Art Unit	1634
				Examiner Name	JOHANNSEN, Diana B.
Sheet	4	of	6	Attorney Docket No: IVGN 223	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C37	09/855,797, Office Action mailed 06/20/07.	
	C38	09/855,797, Office Action mailed 12/15/06.	
	C39	09/855,797, Response to 01/28/08 Office Action, Filed on 07/28/08.	
	C40	09/855,797, Response to 06/20/07 Office Action, Filed on 10/31/07.	
	C41	09/855,797, Response to 06/28/06 Office Action, Filed on 09/28/06.	
	C42	09/855,797, Response to 10/11/05 Office Action, Filed on 04/11/06.	
	C43	09/855,797, Response to 12/15/06 Office Action, Filed on 04/03/07.	
	C44	09/907,719, Office Action mailed 03/21/08.	
	C45	09/907,719, Office Action mailed 03/28/06.	
	C46	09/907,719, Office Action mailed 09/07/07.	
	C47	09/907,719, Office Action mailed 12/13/06.	
	C48	09/907,719, Response to 03/28/06 Office Action, Filed on 09/28/06.	
	C49	09/907,719, Response to 09/07/07 Office Action, Filed on 10/30/07.	
	C50	09/907,719, Response to 12/13/06 Office Action, Filed on 06/13/07.	
	C51	10/058,291, Office Action mailed 11/26/08.	
	C52	10/058,291, Office Action mailed 04/15/08.	
	C53	10/058,291, Office Action mailed 08/11/06.	
	C54	10/058,291, Response to 08/11/06 Office Action, Filed on 02/13/07.	
	C55	10/058,291, Response to 10/21/05 Office Action, Filed on 06/20/06.	
	C56	10/058,292, Office Action mailed 08/09/06.	
	C57	10/058,292, Response to 08/09/06 Office Action, Filed on 02/09/07.	
	C58	10/058,292, Response to 08/09/06 Office Action, Filed on 06/08/07.	
	C59	10/058,292, Response to 11/18/05 Office Action, Filed on 05/18/06.	
	C60	10/162,879, Office Action mailed 10/03/06.	
	C61	10/162,879, Office Action mailed 03/24/08.	
	C62	10/162,879, Office Action mailed 06/18/07.	
	C63	10/162,879, Response to 10/03/06 and 06/18/07 Office Action, Filed on 12/18/07.	
	C64	10/162,879, Response to 10/03/06 Office Action, Filed on 04/02/07.	
	C65	10/162,879, Response to 10/20/05 Office Action, Filed on 06/20/06.	
	C66	96923288.3, European Search Report mailed on 08/31/1999.	
	C67	98955110.6, European Search Report mailed on 09/27/2002.	
	C68	98955110.6, European Search Report mailed on 06/25/2002.	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/517,466
				Filing Date	Mar 2, 2000
				First Named Inventor	James L. HARTLEY
				Art Unit	1634
				Examiner Name	JOHANNSEN, Diana B.
Sheet	5	of	6	Attorney Docket No: IVGN 223	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C69	BAUBONIS, WENDY et al., "Genomic targeting with purified Cre recombinase", <u>Nucleic Acids Research</u> , Vol. 21, No. 9, Oxford Press, 1993, 2025-2029.		
	C70	BERNARD, PHILIPPE et al., "Positive-selection vectors using the F plasmid ccdB killer gene", <u>Gene</u> , Vol. 148, Elsevier Science B. V., 10/1994, 71-74.		
	C71	CSORDAS-TOTH, EVA et al., "Nucleotide sequence of a secondary attachment site for bacteriophage lambda on the Escherichia coli chromosome", <u>Nucleic Acids Research</u> , Vol. 7, No. 5, 1979, 1335-1341.		
	C72	EDLUND, THOMAS et al., "Tandem Duplication Induced by an Unusual ampA1-, ampC-Transducing Lambda Phage: A Probe to Initiate Gene Amplification", <u>Molec. gen. Genet.</u> , Vol. 180, Department of Microbiology, University of Umea, S-901 87, Umea, Sweden, 1980, 249-257.		
	C73	ENQUIST, L. W. et al., "Strand exchange in site-specific recombination", <u>Proceedings of the National Academy of Sciences (PNAS)</u> , Vol. 76, No. 3, 3/1979, 1363-1367.		
	C74	MACHATTIE, L. A. et al., "Chromosomal integration of phage [lambda] by means of a DNA insertion element", <u>Proceedings of the National Academy of Sciences (PNAS)</u> , Vol. 75, No. 3, 3/1978, 1490-1494.		
	C75	MILLER, HARVEY I. et al., "Direct Role of the himA Gene Product in Phage lambda Integration", <u>Nature</u> , Vol. 290, 4/9/1981, 523-526.		
	C76	MILLER, HARVEY I. et al., "int-h: an int Mutation of Phage A That Enhances Site Specific Recombination", <u>Cell</u> , Vol 20, 7/1980, 721-729.		
	C77	MIZUUCHI, MICHIO et al., "Integrative recombination of bacteriophage lambda: Extent of the DNA sequence involved in attachment site function", <u>Proceedings of the National Academy of Sciences (PNAS)</u> , Vol 77, No 6, 6/1980, 3220-3224.		
	C78	PCT/US00/05432, PCT ISR mailed on 05/23/2000.		
	C79	PCT/US96/10082, PCT ISR mailed on 10/10/1996.		
	C80	PCT/US97/21880, PCT ISR mailed on 09/01/1998.		
	C81	SADOWSKI, PAUL D., Site-Specific Genetic Recombination: Hops, Flips and Flops, <u>Faseb Journal</u> , Vol 7, No 9, 6/1993, 760-767.		
	C82	SAUER, BRIAN et al., Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System, <u>Journal of Cellular Biochemistry</u> , Supplement 10B, Abstract # I340, Alan R. Liss, Inc., 1986, 242.		

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	09/517,466
				Filing Date	Mar 2, 2000
				First Named Inventor	James L. HARTLEY
				Art Unit	1634
				Examiner Name	JOHANNSEN, Diana B.
Sheet	6	of	6	Attorney Docket No: IVGN 223	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C83	SAUER, BRIAN et al., "Site-specific DNA Recombination in mammalian cells by the Cre recombinase of bacteriophage P1", <u>Proceedings of the National Academy of Sciences (PNAS)</u> , Vol 85, National Academy of Science, 7/1988, 5166-5170.		
	C84	STRATAGENE, Gene Characterization Kits, 1988, Catalogue, page 39.		
	C85	TEMPLE, GARY F. et al., "Construction of a functional human suppressor tRNA gene: an approach to gene therapy for beta-thalassaemia", <u>Nature</u> , Vol 296, Macmillan Journals Ltd., 4/8/1982, 537-540.		

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached